

MATHEMATICS COURSE “ELIGIBILITY” BY STUDENT BACKGROUND BASED ON TRANSCRIPT

This chart gives Counselor some suggested placement criteria for use with students who have recent high school coursework. It can be used in conjunction with placement test scores and, while it is by no means complete, will provide a starting point to begin the conversation on where best to place students.

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| HIGH SCHOOL BACKGROUND | SUGGESTED COURSE ELIGIBILITY |
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| Little to no formal mathematics background; older returning students; students recommended by college programs | MATH 007 or MATH 015 is available for those students who need to begin their remediation with an intensive review of arithmetic. Students should be placed here only after they are counseled regarding the level of mathematics covered in MATH 007 and MATH 015. |
| Completion of Algebra 1 only | Students planning on majoring in BSTEM (Business, Science, Technology, Engineering, Mathematics) should be directed to MATH 040 . Students who needed multiple attempts to pass Algebra 1 and/or who have low grades in Algebra I, might do better to step back and enroll in MATH 041 instead of MATH 040 to build key skills necessary to be successful in STEM courses. Students planning on majoring in non-BSTEM fields (Liberal Arts, Humanities, Social Sciences etc.) should be directed to MATH 043 . MATH 024 would be an option for students who need additional remediation. |
| Completion of Algebra 1 and some Algebra 2 | BSTEM students should be directed to MATH 040 ; non-BSTEM students to MATH 043 . Students needing more remediation can go to MATH 041 or 024 |
| Completion of Algebra 2 | Students majoring in Liberal Arts, Humanities or the Social Sciences can enroll directly in either MATH 100 or MATH 120 . Students planning on majoring in Business fields transferring to a CSU and needing Math 130 should be directed to MATH 129 . Business students who need regular calculus should be directed to the MATH 141/142 sequence. Students planning on majoring in STEM with strong grades, the Algebra 2 class taken recently, and completion of high school geometry should be directed to MATH 141 and MATH 142 . Those STEM students with B’s and C’s in Algebra 2, or those whose high school background is not recent, might benefit from the 6-unit MATH 141/MATH 031 co-requisite course. STEM student with repeated attempts to compete Algebra 2 may be best suited to repeat Algebra 2 by taking MATH 040 . |
| Completion of Precalculus, or Math Analysis etc. | Business majors needing business calculus can be placed directly into MATH 130 . Those whose transfer plans include UC’s or private schools may need MATH 151 , however completion of Precalculus or Math Analysis should make them eligible to enroll in calculus. STEM majors should be directed to MATH 151 , however students with low grades in Precalc might be best directed to MATH 141/142 to remediate. |
| Students with little to no geometry, or with low grades | Students planning on STEM majors will need to complete MATH 030 prior to enrolling in MATH 141 or MATH 142. |
| International Students | Students from most Asian, European, or Middle Eastern countries will likely have studied mathematics up through Calculus in high school. In most cases, these students can be placed directly into MATH 100, 120, 130, 141, 142, or 151 depending on major. |

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